

CLAIMS

1. A noncontact information medium comprising:
 - a coil formed by a conductor;
 - a capacitor that forms, together with the coil, a resonance circuit; and
 - a control circuit that controls information transmitted and received to and from a reader-writer, wherein
the coil has at least a part of the conductor cut off.
- 10 2. The noncontact information medium according to claim 1, wherein
the coil has an inductance for making a resonance frequency of the resonance circuit higher than a frequency of an electromagnetic wave transmitted from the reader-writer when the noncontact information medium is arranged solely.
- 15 3. The noncontact information medium according to claim 1, wherein
the coil generates an inductance for making a resonance frequency of the resonance circuit equal to a frequency of an electromagnetic wave transmitted from the reader-writer when a plurality of the noncontact information media are arranged to be close to the reader-writer.
- 20 4. The noncontact information medium according to claim 1, further comprising:
 - 30 an auxiliary coil substantially equal in inductance to the coil, wherein
the coil generates an inductance for making a resonance frequency of the resonance circuit equal to a

frequency of an electromagnetic wave transmitted from the reader-writer when a plurality of the auxiliary coils are arranged to be close to the reader-writer.

5 5. A communication system that holds a radio communication using electromagnetic induction, the communication system comprising:

a plurality of noncontact information media each including:

10 a coil formed by a conductor at least a part of which is cut off;

a capacitor that forms, together with the coil, a resonance circuit; and

15 a control circuit that controls information transmitted and received through the resonance circuit; and a reader-writer that supplies an energy to the noncontact information media, that transmits data to the noncontact information media, and that receives the data transmitted from the noncontact information media.

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6. A communication system that holds a radio communication using electromagnetic induction, the communication system comprising:

a noncontact information medium including:

25 a coil formed by a conductor at least a part of which is cut off;

a capacitor that forms, together with the coil, a resonance circuit; and

30 a control circuit that controls information transmitted and received through the resonance circuit; an auxiliary coil substantially equal in inductance to the coil of the noncontact information medium; and a reader-writer that supplies an energy to the

noncontact information medium, that transmits data to the noncontact information medium, and that receives the data transmitted from the noncontact information medium.